

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Javier A. Valenzuela

Serial No.: 09/877,774

Filed: June 8, 2001

Title: Normal-Flow Heat Exchanger

Group Art Unit: 3743

Examiner: Ljiljana V. Ciric

Attorney Docket No.: 07389-00007

☒ CERTIFICATION OF FACSIMILE TRANSMISSION

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office, Fax No. 703-305-3463, on the date shown below.



Morgan S. Heller II

01/15/03

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January 15, 2003

Commissioner for Patents
Washington, D.C. 20231

AMENDMENT AND RESPONSE TO FIRST OFFICE ACTION

This is in response to the Office Action (paper no. 4) mailed from the United States Patent and Trademark Office on October 16, 2002, with respect the above-identified application.

AMENDMENT

Please amend the application, without prejudice, as follows:

In the Specification:

Substitute the following substitute paragraph for the corresponding existing paragraph. A copy of the substitute paragraph showing the amendment made appears in an attachment hereto.

[0032] For example, in the exemplary embodiment of NFHX 120 for cooling a microprocessor described above with respect to FIGS. 3-5, heat exchanger plate 136 and spacer plate 138 were described as having thicknesses on the order of 0.15 mm and on the order of 0.05 mm, respectively, yielding a pitch between adjacent heat-exchanger plates on the order of 0.20 mm. To form core 130 of heat-exchanger plates 236 that has comparable dimensions, the full thickness of each plate would be on the order of 0.20 mm and the depth of recessed regions 248 would be on the order of 0.05 mm. Heat-exchanger plates 236 may be made of the same

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Morgan Y. Heller II 01/15/03
Morgan Y. Heller II Date

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Box Non-Fee Amendment

Commissioner for Patents
Washington, DC 20231

Response Transmittal

Transmitted herewith for filing is an Amendment and Response to the above-identified Application.

☒ No additional fee is required.☐ The fee has been calculated as shown below:

CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDITIONAL FEE
TOTAL 40	MINUS	40	= 0	x \$18.00/ \$9.00 =	\$0.00
INDEPENDENT 11	MINUS	11	= 0	x \$84.00/ \$42.00 =	\$0.00
<input type="checkbox"/> 1ST PRESENTATION OF MULTIPLE DEP. CLAIMS				\$280.00/ \$140.00 =	\$0.00
				TOTAL	\$0.00

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- ☒ Any additional filing fees required under 37 C.F.R. §1.16.
- ☒ Any patent application processing fees under 37 C.F.R. §1.17.

Respectfully submitted,

DOWNS RACHLIN MARTIN PLLC

By: 

Morgan S. Heller II

Attorney of Record

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BTV/233703.1

**FAX TRANSMITTAL MEMO**

TO: Examiner Ljiljana V. Ciric	COMPANY: U.S. Patent and Trademark Office	PHONE #: 703-308-3925	FAX #: 703-305-3463
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